

SERIES W54I

SAFETY RELIEF VALVE

INSTALLATION INSTRUCTIONS

INSTRUCTION PART NO. 2260001

REVISION 1

HOW IT WORKS

The W54I safety relief valve is a cast stainless steel heavy duty and high capacity safety valve for steam, air and gas applications.

The valve is actuated by an increase in upstream static pressure.

The valve will open immediately once set pressure is reached and will remain open until excess pressure subsides to a level below that of the safety valve. The valve then reseats.

INSTALLATION

Before installing the relief valve, blow out pipe line to remove all scale.

Install the valve in an upright position.

ASME Section I models must be connected to the boiler independent of any other connection and as close to the boiler or normal steam flow path as possible without unnecessary intervening pipe or fittings.

ASME Section VIII service, the valve should be connected to the vessel in the vapor space above any contained liquid or to piping connected to the vapor space in the vessel which is to be protected.

Discharge lines from the valve shall be at least the same size as the valve outlet and as short and direct as possible. Lines should run to a safe place of disposal.

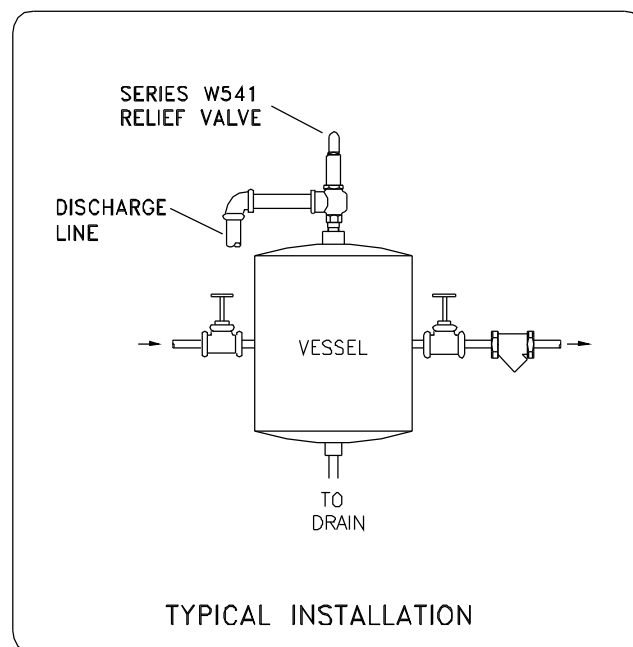
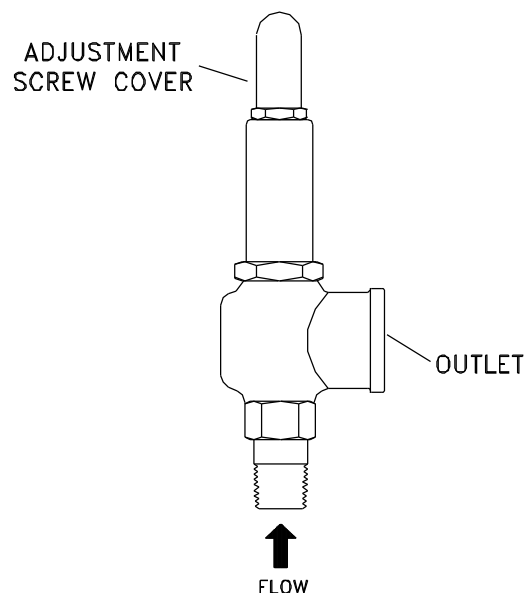
MAINTENANCE INSTRUCTIONS

The valves should be inspected regularly to assure safe operation & long service life.

A visual inspection is recommended at two month intervals while in service, followed by a complete pressure test at least once a year. Slowly increase operating pressure until the valve opens or remove and test. Keep it open long enough to blow clean; then close it quickly.

Replace or repair any valve that fails to open at the set pressure or fails to open or close properly.

Each Watson McDaniel Company Product is warranted against defects in material and workmanship for one year from date of shipment. This warranty extends to the first retail purchaser only. All defective material must be returned to the person from whom you purchased the Product, transportation prepaid, free of any liens or encumbrances, and if found to be defective will be repaired free of charge or replaced, at the warrantor's or seller's option. If the material is replaced, any replacement will be invoiced in the usual manner and after inspection of alleged defective material an adjustment will be made for depreciation caused by purchaser's use. In no event will Watson McDaniel Company be liable to do more than refund the original contract price. Incidental and consequential damages are excluded, whether under this warranty or otherwise. All implied warranties, including warranties of merchantability and fitness for a particular purpose, are disclaimed and excluded.



MAX. W54I OPERATING CONDITIONS

PMO 900 PSIG (STEAM, AIR, & GAS)
TMO 800°F

CAUTION: Choice of other components may limit system operating conditions.